

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:
30-Day STA Extension Request to Provide TT&C Services to SPACEWAY 1 During Satellite Drift (E020242)

1. Applicant

Name: DIRECTV Enterprises, LLC Phone Number: 310-964-3589
DBA Name: Fax Number:
Street: 1120 20th Street, NW E-Mail: nm704u@att.com
Suite 1000
City: Washington State: DC
Country: USA Zipcode: 20036
Attention: Navid Motamed



File # SES-STA-20180824-02313
2002018 Grant Date 8-30-18
Call Sign (or other identifier) 933018
Temp Dates From: 8-27-18 To: 9-30-18
Approved: Paul E. Hines

2. Contact	
Name:	Jennifer D. Hindin
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State:	DC
Zipcode:	20006 -
Relationship:	Legal Counsel
(If your application is related to an application filed with the Commission, enter either the file number or the IB Submission ID of the related application. Please enter only one.)	
3. Reference File Number or Submission ID	
4a. Is a fee submitted with this application?	
<input checked="" type="radio"/> If Yes, complete and attach FCC Form 159. If No, indicate reason for fee exemption (see 47 C.F.R. Section 1.1114).	
<input type="radio"/> Governmental Entity <input type="radio"/> Noncommercial educational licensee	
<input type="radio"/> Other (please explain):	
4b. Fee Classification CGX - Fixed Satellite Transmit/Receive Earth Station	
5. Type Request	
<input type="radio"/> Use Prior to Grant <input type="radio"/> Change Station Location <input checked="" type="radio"/> Other	
6. Requested Use Prior Date	
7. City/Littleton	8. Latitude (dd mm ss.s h) 39 30 48.5 N

9. State	CO	10. Longitude (dd mm ss.s h) 105 1 26.9 W
11. Please supply any need attachments. Attachment 1: Narrative		Attachment 2: Attachment 3:
12. Description. (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.) <div style="border: 1px solid black; padding: 5px;"> DIRECTV Enterprises, LLC respectfully requests an extension of its grant of special temporary authority for an additional 30 days commencing August 31, 2018 to use its Littleton, Colorado earth station (Call Sign E020242) to provide telemetry, tracking, and command services for its SPACEWAY 1 satellite (Call Sign S2191) during the satellite's </div>		
13. By checking Yes, the undersigned certifies that neither applicant nor any other party to the application is subject to a denial of Federal benefits that includes FCC benefits pursuant to Section 5301 of the Anti-Drug Act of 1988, 21 U.S.C. Section 862, because of a conviction for possession or distribution of a controlled substance. See 47 CFR 1.2002(b) for the meaning of "party to the application"; party to the application; for these purposes.		
14. Name of Person Signing Navid Motamed		15. Title of Person Signing Asst. Vice President Satellite Systems Engineering
WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND / OR IMPRISONMENT (U.S. Code, Title 18, Section 1001), AND/OR REVOCATION OF ANY STATION AUTHORIZATION (U.S. Code, Title 47, Section 312(a)(1)), AND/OR FORFEITURE (U.S. Code, Title 47, Section 503).		

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12. Description

DIRECTV Enterprises, LLC respectfully requests an extension of its grant of special temporary authority for an additional 30 days commencing August 31, 2018 to use its Littleton, Colorado earth station (Call Sign E020242) to provide telemetry, tracking, and command services for its SPACEWAY 1 satellite (Call Sign S2191) during the satellite's drift from its previous location at 102.925 W.L. to its newly authorized location at 138.9 W.L. and to maintain the satellite at the 138.9 W.L. orbital location.

Applicant: DIRECTV Enterprises LLC-
Call Sign: E020242
File No.: SES-STA-20180824-02313



File # SES-STA-20180824-02313
E020242
Call Sign E020242 Grant Date 8-30-18
(or other identifier)
Term Dates
From: 8-31-18 To: 9-30-18
Approved: Paul E. Hagan

DIRECTV Enterprises LLC- ("DIRECTV") is granted special temporary authority (STA) for 30 days, beginning August 31, 2018, to operate its Littleton, CO earth station with the SPACEWAY 1 (S2191) satellite to provide telemetry, tracking, and control ("TT&C") communications on center frequencies 29.5013021 GHz, and 29.5091146 GHz (Earth-to-space); 19.70125 GHz and 19.70225 GHz (space-to-Earth) during SPACEWAY 1's drift from 102.925° W.L to 138.9° W.L orbital location subject to the following conditions:

1. Grant of this STA is without prejudice to any determination that the Commission may make regarding pending or future DIRECTV applications.
2. All operations under this grant of STA shall be on an unprotected and noninterference basis and DIRECTV is obliged to comply with the applicable laws, regulations, rules, and licensing procedures of that country.
3. DIRECTV will maintain full operational control of SPACEWAY1 satellite at all times.
4. DIRECTV will maintain SPACEWAY1 (S2191) at 138.9° W.L. with an east-west longitudinal station-keeping tolerance of +/-0.05 degree.
5. In the event of any harmful interference as a result of operations under this grant of STA, DIRECTV shall cease operations immediately upon notification of such interference and shall immediately inform the Commission, in writing, of such an event.
6. In connection with the provision of service in any particular country, DIRECTV will comply with the applicable laws, regulations, rules, and licensing procedures of that country.
7. Any action taken or expense incurred as a result of operations pursuant to this STA is solely at DIRECTV.
8. During drift operations, all transponders other than TT&C transponders will be turned off.

This grant is issued pursuant to Section 0.261 of the Commission's rules on delegated authority, 47 C.F.R. § 0.261, and is effective upon release.

EXHIBIT 1
REQUEST FOR SPECIAL TEMPORARY AUTHORITY

DIRECTV Enterprises, LLC (“DIRECTV”) respectfully requests an extension of its grant of special temporary authority (“STA”)¹ for an additional 30 days commencing August 31, 2018 to use its Littleton, Colorado earth station (Call Sign E020242) to provide telemetry, tracking, and command (“TT&C”) services for its SPACEWAY 1 satellite (Call Sign S2191) during the satellite’s drift from its previous location at 102.925° W.L. to its newly authorized location at 138.9° W.L. and to maintain the satellite at the 138.9° W.L. orbital location.² As part of this STA request, DIRECTV seeks authority to provide TT&C services using a somewhat higher transmitting power than what is currently authorized under the existing earth station license.

On April 25, 2018, the Commission granted DIRECTV authority to relocate SPACEWAY 1 from 102.925° W.L. to 138.9° W.L. and to conduct TT&C functions related to drifting SPACEWAY 1 to, and maintaining the space station at, the 138.9° W.L. orbital location.³ The drift to 138.9° W.L. began on August 6, 2018, and the drift period is expected to last approximately 60 days. On July 31, 2018, the Commission granted DIRECTV’s request for special temporary authority for 30 days beginning August 1, 2018 to use the earth station to provide TT&C services to the SPACEWAY 1 satellite during the initial drift period.⁴ On August 9, 2018, DIRECTV filed a 180-day STA request to cover the remaining drift period.⁵

¹ DIRECTV has filed this STA request, an FCC Form 159, and a \$200.00 filing fee electronically via the International Bureau’s Filing System.

² See *Satellite Policy Branch Information; Actions Taken*, Report No. SAT-01313, File No. SAT-MOD-20170912-00129 (Public Notice).

³ See *id.*; *Modification Request to Relocate SPACEWAY 1 to 138.9° W.L. and Extend License Term*, File No. SAT-MOD-20170912-00129, Stamp Grant (Apr. 25, 2018).

⁴ See *STA Request to Provide TT&C Services to SPACEWAY 1 During Satellite Drift (E020242)*, File No. SES-STA-20180726-02036 (granted July 31, 2018).

⁵ See *180-Day STA Request to Provide TT&C Services to SPACEWAY 1 During Satellite Drift (E020242)*, File No. SES-STA-20180809-02123.

Accordingly, DIRECTV respectfully submits this STA extension request for authority to use the earth station to provide TT&C services to the SPACEWAY 1 satellite for an additional 30-day period beginning August 31, 2018 while DIRECTV's 180-day STA request remains pending before the Commission. Because SPACEWAY 1 will operate on lower gain antennas for safety purposes during the drift period, DIRECTV also requests authority to provide TT&C services to the satellite using a somewhat higher transmitting power than what is currently authorized under the existing earth station license. Specifically, DIRECTV seeks authority to transmit at a maximum EIRP of 80 dBW and a maximum EIRP density of 55 dBW/Hz.

The range of earth station frequencies requested to provide TT&C services for SPACEWAY 1 are:

- 29501.3021 MHz and 29509.1146 MHz (T); and
- 19701.25 MHz and 19702.25 MHz (R).

The drift operations will continue to be coordinated with all operators of satellites that use the same frequency bands and are in the drift path.⁶ All operators of satellites in that path will be provided with an emergency phone number where the licensee can be reached in the event that harmful interference occurs. In the extremely unlikely event that harmful interference should occur due to transmissions to or from its earth station, DIRECTV will take all reasonable steps to eliminate the interference.

Grant of this STA request is in the public interest because it will facilitate the relocation of SPACEWAY 1 from 102.925° W.L. to 138.9° W.L. This, in turn, will provide additional capacity to customers at the 138.9° W.L. location, thereby promoting the public interest.

Accordingly, DIRECTV respectfully requests that the Commission grant this request.

⁶ Intelsat License, LLC will handle the coordination.